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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/935,514	RECEIVED JUL 23 2003 Technology Center 2600
	Filing Date	08/23/2001	
	First Named Inventor	MCKINNON, III et al.	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	30	Attorney Docket Number	8145-35430

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Itemized postcard, copy of assignment documents (27 pages)
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual	Chad D. TILLMAN MORRIS, MANNING & MARTIN, LLP
Signature	<i>Chad D. Tillman</i>
Date	July 18, 2003

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as Express mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 07/18/2003	
Typed or printed	Elizabeth Herbener
Signature	<i>Elizabeth Herbener</i>
Date	07/18/2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

EV327026662US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:)
Martin W. McKinnon, III, et al.)
U.S. Application Serial No.: 09/935,514)
Filed: August 23, 2001)
For: Allocating Access Across Shared)
Communications Medium to User Classes)

Group Art Unit: 2661

Examiner: Unknown

RECEIVED

JUL 23 2003

Technology Center 2000

Atty Docket No.: 8145-35430 (A-8988)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 C.F.R. §3.73(b) STATEMENT AND POWER OF ATTORNEY

The Assignee for the above-identified U.S. patent application (hereinafter "Patent Application"), and the invention disclosed therein, hereby states pursuant to 37 C.F.R. §3.73(b) that the Assignee is the sole owner of the Patent Application to the exclusion of each inventor thereof.

The Assignee establishes its ownership by submission herewith of a copy of an assignment from each inventor of the Patent Application to ChanneLogics, Inc., and, subsequent thereto, a copy of an assignment from ChanneLogics, Inc., to Scientific-Atlanta, Inc. As the established owner of the Patent Application, the Assignee hereby invokes its right to conduct prosecution of the Patent Application to the exclusion of each named inventor.

The Assignee further hereby revokes all previous powers of attorney and, in replacement thereof, appoints the Attorneys and Patent Agents of Scientific-Atlanta, Inc., associated with **Customer Number 05642**: Kenneth M. Massaroni, Registration No. 33,015, Hubert J. Barnhardt III, Registration No. 36, 739, John Eric West, Registration No. 46,279, and Shelley L. Couturier, Registration No. 47,503; and the Attorneys and Patent Agents of Morris Manning & Martin, L.L.P., associated with **Customer Number 026702**, in the records of the U.S. Patent & Trademark Office and as updated from time to time, to prosecute the Patent Application and to transact all business in the U.S. Patent & Trademark Office connected therewith.



05642

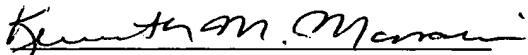
PATENT TRADEMARK OFFICE

All correspondence in this case should be directed to the following:

Scientific-Atlanta, Inc. (Customer Number 05642)
Intellectual Property Dept. MS 4.3.510
5030 Sugarloaf Parkway
Lawrenceville, GA 30044

The Assignee hereby declares that no other person or entity is authorized to take any action before the U.S. Patent and Trademark Office with respect to the Patent Application. The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Scientific-Atlanta, Inc.


Kenneth M. Massaroni
Vice President, Deputy General
Counsel & Assistant Secretary

6/20/83
Date



ASSIGNMENT OF INVENTION AND PATENTS THEREON

WHEREAS, ChanneLogics, Inc., a corporation of the State of Georgia, having its principal place of business at 2030 Powers Ferry Road, Suite 580, Atlanta, GA 30339 (hereinafter the "Assignor") owns certain inventions and improvements disclosed in the applications for Letters Patent set forth below (hereinafter the "Assigned Applications"),

#0 US 60/205,963 filed May 19, 2000

MMM File No. 29670

Method and System For Quality Of Service Enhancement For Access Area Networks

RECEIVED

JUL 23 2003

#1 US 09/800,717 filed March 7, 2001

MMM File No. 32045

Monitoring and Allocating Access Across A Shared Communications Medium

Technology Center 2000

#2 US 09/800,735 filed March 7, 2001

MMM File No. 33243

Methods of Allocating Access Across A Shared Communications Medium

#3 US 09/800,608 filed March 7, 2001

MMM File No. 33244

Solicitations for Allocations of Access Across A Shared Communications Medium

#4 US 09/800,803 filed March 7, 2001

MMM File No. 33245

Allocating Access Across A Shared Communications Medium of a DOCSIS 1.0 Compliant Cable Network

#5 US 09/800,861 filed March 7, 2001

MMM File No. 33246

Allocating Access Across A Shared Communications Medium in a Carrier Network

#6 US 09/800,155 filed March 7, 2001

MMM File No. 33247

Computerized Method For Allocating Access Across A Shared Communications Medium

#7 US 09/800,674 filed March 7, 2001

MMM File No. 33540

Allocating Access Across A Shared Communications Medium

#8 US 09/800,981 filed March 7, 2001

MMM File No. 33541

Allocating Access Across A Shared Communications Medium To User Classes

#9 PCT/US01/07209 filed March 7, 2001

MMM File No. 33832

Allocating Access Across Shared Communications Medium

#10 EP National Patent Application based on PCT
MMM File No. 35390
Allocating Access Across Shared Communications Medium

#11 US 09/935,514 (Continuation of #9) filed August 23, 2001
MMM File No. 35430
Allocating Access Across Shared Communications Medium To User Classes

WHEREAS, Scientific-Atlanta, Inc., a Georgia corporation, having a place of business at 5030 Sugarloaf Parkway, Lawrenceville, GA, 30044 (hereinafter the "Assignee") is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of sufficiency of which is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee the full, exclusive and entire right, title and interest in and to said Assigned Applications, in and to any divisions, reissues thereof, and in and to all inventions and improvements disclosed and described in said Assigned Applications, preparatory to obtaining Letters Patent of the United States therefore; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Assigned Applications, or from a division, continuation, or reissue thereof, to Assignee, as the Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor by these presents does sell, assign, and transfer to Assignee the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said Assigned Applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations, said foreign applications to be filed and issued in the name of Assignee, or its designee insofar as permitted by applicable law.

AND, for the same consideration, Assignor agrees to sign all lawful papers, execute all divisional, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries through the world.

Assignor further agrees that all necessary records of Assignor to establish priority of invention in any interference or similar proceeding will be made available at no additional charge to Assignee, in the event such records are needed in connection with any of the assigned Letters Patent or Assigned Applications for Letters Patent.

IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by its duly authorized officers and its seal to be affixed, this 6th day of November, 2002.

Assignor: ChanneLogics, Inc.

By: Martin L. McKinnon III

Title: PRESIDENT

STATE OF GEORGIA)

COUNTY OF ~~FULTON~~)

ss:

Burnett
Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public in and for the county aforesaid, on this 6th day of November, 2002, personally appeared Martin L. McKinnon III to me known personally, and who, being by me duly sworn, deposes and says that he is the President of ChanneLogics, Inc., and that the seal affixed to the foregoing instrument is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and said President acknowledged said instrument to be the free act and deed of said corporation.

(SEAL)



Florita Adams
NOTARY PUBLIC

My Commission Expires: Aug. 17, 2004

ASSIGNMENT

WHEREAS, Martin W. McKinnon, III, 4925 Shadowood Parkway, Atlanta, GA 30329

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channeled, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns, to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular foreign country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular foreign country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignor.

Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of MARCH, 2001

Martin W. McKinnon, III
Assignor, Martin W. McKinnon, III

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO - HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 580

ATLANTA, GA 30339
Witness #1 Address

Jessie Jaslich
Witness #2 Signature

Jessie Jaslich
Witness #2 Name (print)

2030 Powers Ferry Rd #580

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

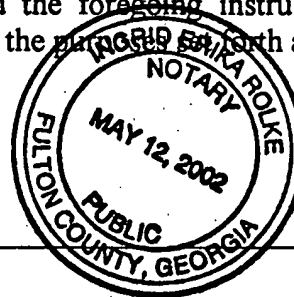
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described as Assignor in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

Liquid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of MARCH, 2001

Channelogics, Inc.
Assignee

By:

[Signature]

MARTIN W. MCKINNON
Name (print)

CHIEF TECHNICAL OFFICER
Title

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS PERRY RD, STE 580
ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

JULIAN KATICK
Witness #2 Name (print)

2030 Powers Perry Rd. #580
Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

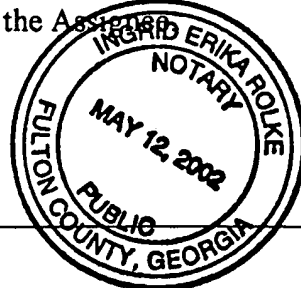
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

[Signature]
Notary Public

My Commission Expires: May 12, 2002



ASSIGNMENT

WHEREAS, Mani M. Subramanian; 1652 Harts Mill Road; Atlanta, GA 30319

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channelogics, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns, to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular foreign country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular foreign country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignor.

Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of MARCH, 2001

Mani M. Subramanian
Assignor, Mani M. Subramanian

Rachel M. Dondro-Henriksen
Witness #1 Signature

RACHEL M. DONDERO-HENRIKX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 550

ATLANTA, GA 30339
Witness #1 Address

Susan Kestel
Witness #2 Signature

Susan Kestel
Witness #2 Name (print)

2030 Powers Ferry Rd #550

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

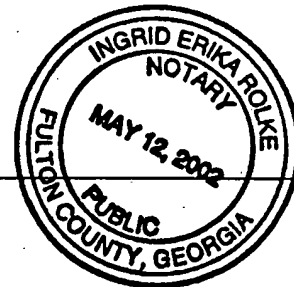
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Mani M. Subramanian before me, to me known and known to me
to be the person described as Assignor in and who executed the foregoing instrument and
acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

Ingrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of MARCH, 2001

Channelogics, Inc.
Assignee

By:

Martin W. McKinnon

MARTIN W. MCKINNON
Name (print)

CHIEF TECHNICAL OFFICER
Title

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD STE 580

ATLANTA, GA 30339
Witness #1 Address

Susan Kasliak
Witness #2 Signature

Susan Kasliak
Witness #2 Name (print)

2030 Powers Ferry Rd. #5

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

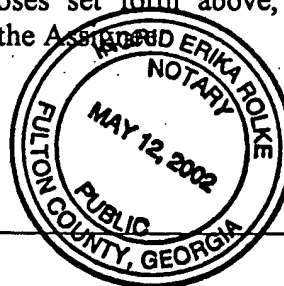
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ASSIGNMENT

WHEREAS, Timothy Sean Sotack; 1674A LaVista Road; Atlanta, GA 30329

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channelogics, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns, to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

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Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of MARCH, 2001

Timothy Sean Sotack
Assignor, Timothy Sean Sotack

Rachel M. Dondro-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD STE 580

ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

Juan Garcia
Witness #2 Name (print)

2030 Powers Ferry Rd. #580

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

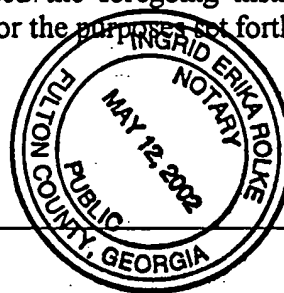
State of Georgia
County of Fulton
United States of America

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Timothy Sean Sotack before me, to me known and known to me
to be the person described as Assignor in and who executed the foregoing instrument and
acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

Ingrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of MARCH, 2001

Channelogics, Inc.

Assignee

By:

[Signature]

MARTIN W. MCKINNON

Name (print)

CHIEF TECHNICAL OFFICER

Title

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 580

ATLANTA, GA 30339

Witness #1 Address

[Signature]
Witness #2 Signature

Susan Kasluck
Witness #2 Name (print)

2030 Powers Ferry Rd #580

Atlanta, GA 30339

Witness #2 Address

NOTARIZATION

State of

Georgia

County of

Fulton

United States of America

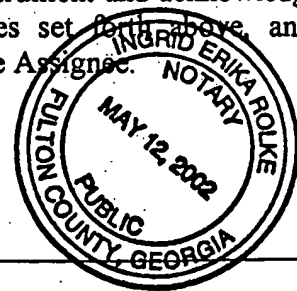
On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

Ingrid Erika Rolke
Notary Public

My Commission Expires:

May 12, 2002



ASSIGNMENT

WHEREAS, John Joseph Ehrley; 324 4h Street NE; Atlanta, GA 30308

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channelogics, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns, to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular foreign country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular foreign country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignor.

Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of March, 2001

[Signature]
Assignor, John Joseph Ehrley

Rachel M. Dondro-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 580

ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

JULIA SASTICK
Witness #2 Name (print)

2030 Powers Ferry Rd #580

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

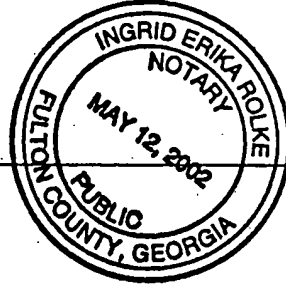
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

John Joseph Ehrley before me, to me known and known to me to be the person described as Assignor in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

Ingrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of MARCH, 2001

Channelogics, Inc.
Assignee

By:

Martin W. McKinnon

MARTIN W. MCKINNON
Name (print)

CHIEF TECHNICAL OFFICER
Title

Rachel M. Donoero-Hendrix
Witness #1 Signature

RACHEL M. DONOERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 500

ATLANTA, GA 30339
Witness #1 Address

Juan Padick
Witness #2 Signature

Juan Padick
Witness #2 Name (print)

2030 Powers Ferry Rd #580

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

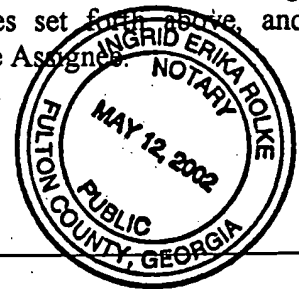
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

Angrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ASSIGNMENT

WHEREAS, James E. Harrell, Jr., 878 Peachtree St., N.E. Atlanta, GA 30309

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channelogics, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns, to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular foreign country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular foreign country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

Assignor covenants and agrees that this Assignment and all the terms thereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignor.

Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of MARCH, 2001

James E. Harrell, Jr.
Assignor, James E. Harrell, Jr.

Rachel M. Dondro-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 530

ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

JASON FOSTER
Witness #2 Name (print)

2030 Powers Ferry Rd #5

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

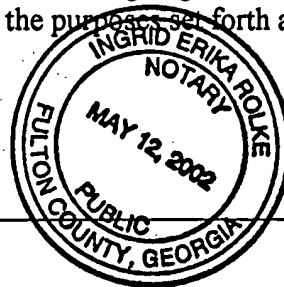
State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

James E. Harrell, Jr. before me, to me known and known to me
to be the person described as Assignor in and who executed the foregoing instrument and
acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

Ingrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002



ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of March, 2001.

Channelogics, Inc.
Assignee

By: Martin W. McKinnon

MARTIN W. MCKINNON
Name (print)

CHIEF TECHNICAL OFFICER
Title

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD. STE 580

ATLANTA, GA 30339
Witness #1 Address

Juan Castille
Witness #2 Signature

Juan Castille
Witness #2 Name (print)

2030 Powers Ferry Rd #88

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

Magrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002

ASSIGNMENT

WHEREAS, Oleg M. Kolesnikov; 277/33 Russkaya Street; 274023 Chernivtsi; Ukraine

(hereinafter "Assignor") has invented certain new and useful improvements and/or designs (hereinafter "Invention"), for a full description of which reference is here made to a patent application entitled:

Allocating Access Across Shared Communications Medium

(hereinafter "Application") filed or to be filed with the U.S. Patent & Trademark Office, and for which Assignor hereby authorizes and requests Assignee to fill in the following blanks specifying the serial number and filing date for said application identified above (but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this Assignment):

Serial Number: 09/935,514 Filed on: 08/23/2001; and

WHEREAS,

Channelogics, Inc.; 2030 Powers Ferry Road, Suite 580; Atlanta, GA 30339

(hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in, to, and under the Invention and the Application, and in, to, and under any and all patents that may be obtained for the Invention, together with all foreign rights corresponding thereto;

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has agreed to sell, assign, transfer and convey, and by these presents does hereby sell, assigns, transfers and conveys, unto Assignee the entire right, title, and interest in, to and under:

- ☐ The Invention and the Application;
- ☐ Any patent of the United States of America that may be obtained for the Invention;
- ☐ Any corresponding applications for patent of the Invention in any and all foreign countries; and
- ☐ Any reissue, extension, renewal, substitution, confirmation, division, continuation and the like of any of the foregoing (hereinafter collectively "Invention Rights").

FURTHERMORE,

Assignor hereby covenants and agrees, and binds any and all heirs, administrators, legal representatives, and assigns; to assist and cooperate with Assignee in the preparation and prosecution of any application included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any application or patent included within the Invention Rights and, further, to execute and

deliver to Assignee any and all additional petitions, oaths, assignments, or other papers or instruments that may be requested by Assignee for the purpose of implementing the terms of this Agreement.

Assignor hereby authorizes and empowers Assignee to invoke and claim for any application or patent included within the Invention Rights the benefit of any rights to which Assignor might be entitled under international law or under the laws of any particular foreign country, and to invoke and claim such rights without further written or oral authorization from Assignor.

Assignor hereby consents and agrees that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular foreign country for any purpose and, more particularly, in proof of the right of Assignee to claim the aforesaid benefit of the right of priority.

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Finally, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States Patent and Trademark Office to issue any patent included within the Inventions Rights to Assignee.

[Signature Pages Follow]

This the 5th day of March, 2001

Oleg M. Kolesnikov
Assignor, Oleg M. Kolesnikov

Rachel M. Dondro - Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 580

ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

Jessan Salsick
Witness #2 Name (print)

230 Powers Ferry Rd #

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Oleg M. Kolesnikov before me, to me known and known to me
to be the person described as Assignor in and who executed the foregoing instrument and
acknowledged the same to be his/her free act and deed in and for the purposes set forth above.

[Signature]
Notary Public

My Commission Expires: May 12, 2002

ACCEPTANCE BY ASSIGNEE

The Assignee hereby accepts the assignment of the invention and application as set forth above.

This the 5th day of MARCH, 2001.

Channelogics, Inc.
Assignee

By:

[Signature]

MARTIN W. MCKINNON
Name (print)

CHIEF TECHNICAL OFFICER
Title

Rachel M. Dondero-Hendrix
Witness #1 Signature

RACHEL M. DONDERO-HENDRIX
Witness #1 Name (print)

2030 POWERS FERRY RD, STE 580

ATLANTA, GA 30339
Witness #1 Address

[Signature]
Witness #2 Signature

Lisa N. Nadeau
Witness #2 Name (print)

2030 Powers Ferry Rd #580

Atlanta, GA 30339
Witness #2 Address

NOTARIZATION

State of Georgia
County of Fulton
United States of America

On this 5th day of March, 2001, personally appeared

Martin W. McKinnon, III before me, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be his/her free act and deed in and for the purposes set forth above, and who acknowledged that he/she had the authority to sign on behalf of the Assignee.

Ingrid Erika Rolke
Notary Public

My Commission Expires: May 12, 2002

